



(43) International Publication Date
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number
WO 2005/010460 A1

- (51) **International Patent Classification⁷:** **G01B 5/30**
- (21) **International Application Number:** **PCT/CZ2004/000043**
- (22) **International Filing Date:** **29 July 2004 (29.07.2004)**
- (25) **Filing Language:** **English**
- (26) **Publication Language:** **English**
- (30) **Priority Data:**
PV 2003-2084 31 July 2003 (31.07.2003) CZ
- (71) **Applicant and**
- (72) **Inventor: ZEMAN, Jindrich [CZ/CZ];** Zitná 172, 251 70 Dobřejovice (CZ).
- (74) **Agent: KRATOCHVÍL, Václav;** Sachta, Zmeskal & part., Radlická 28/663, 150 00 Praha 5 - Smíchov (CZ).
- (81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

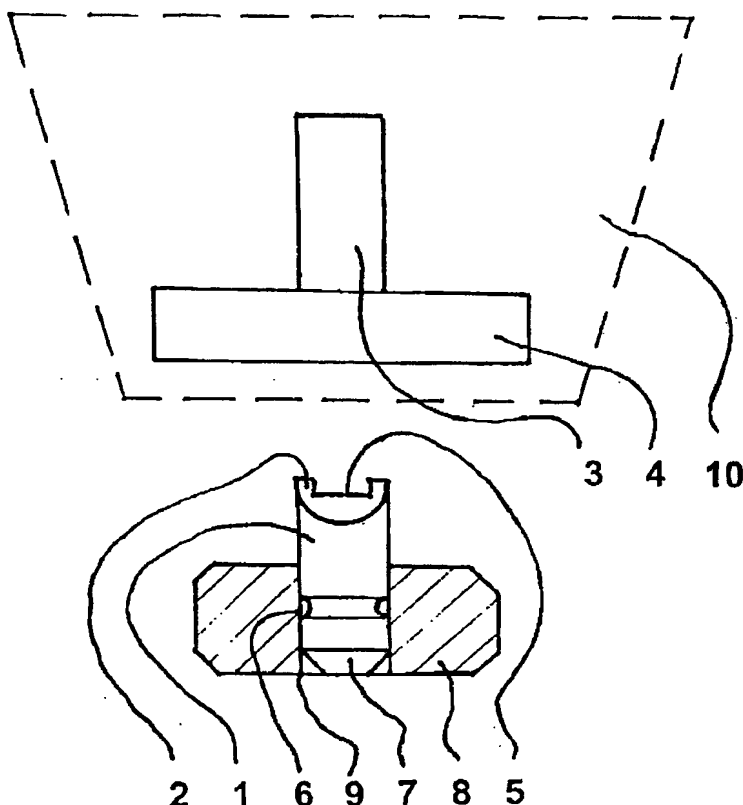
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

- (84) Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

[Continued on next page]

- (54) Title:** SET FOR MEASURING THE LINEAR STRAIN IN MATERIALS



(57) Abstract: The invention involves a set for measuring the linear strain of materials, comprising at least two measuring elements (1) fitted with measuring blades (2) with parallel axes of the measuring blades (2), attachable to the measured material, and a portable reading device (3) with an impression surface (4) made of a material with dimensional stability and strength lower than the strength of the material of the measuring elements (1) and/or the portable measuring device. The measuring blades (2) are fitted with fixtures (5) in the center and the measuring elements are fitted with necks (6) and a tapered end (7) at the bottom; the measuring elements (1) are attached to the surface of the measured material using a resin-based adhesive. The measuring elements (1) are kept in a transport preparation (8), comprising a plotting board with holes (9) for the measuring elements (1), following the precision setting of parallelism of the axes of the measuring blades (2); the joint between the measuring elements (1) and the transport preparation (8) has a lower strength than the joint between the measuring elements (1) and the measured material.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.